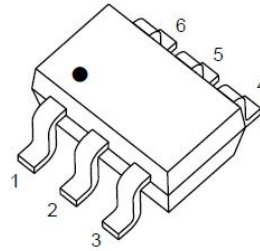


DUAL TRANSISTOR (PNP+PNP)

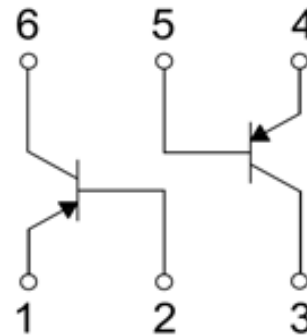
FEATURES

- Two transistors in one package
- Reduces number of components and board space
- No mutual interference between the transistors

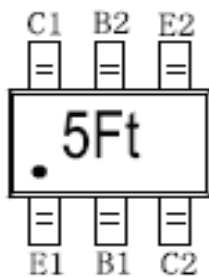
SOT-363



CIRCUIT DIAGRAM



MARKING



MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

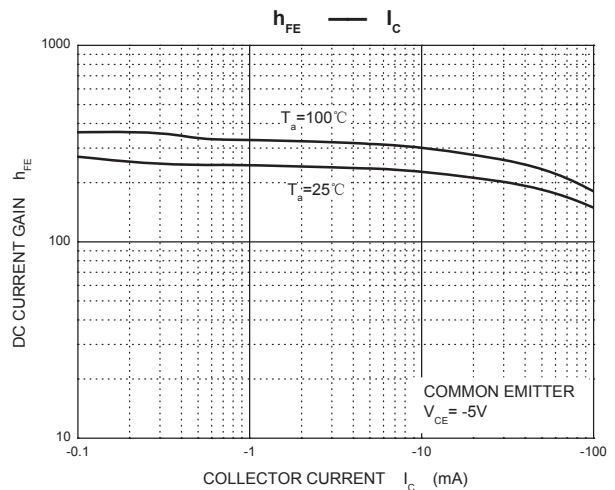
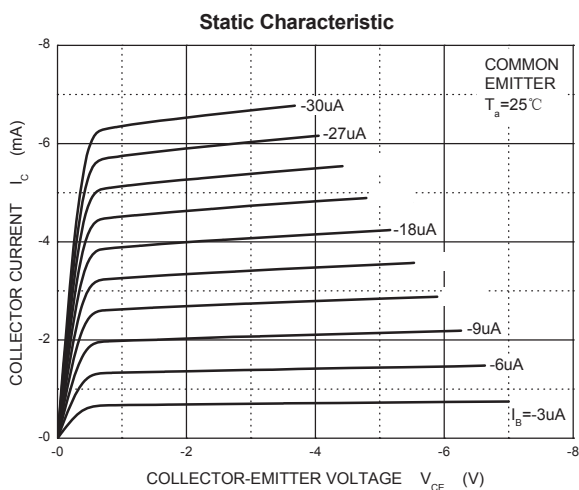
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	-80	V
V _{CEO}	Collector-Emitter Voltage	-65	V
V _{EBO}	Emitter-Base Voltage	-5	V
I _C	Collector Current -Continuous	-0.1	A
P _C	Collector Power Dissipation	0.2	W
R _{θJA}	Thermal Resistance. Junction to Ambient Air	625	°C/W
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55-150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

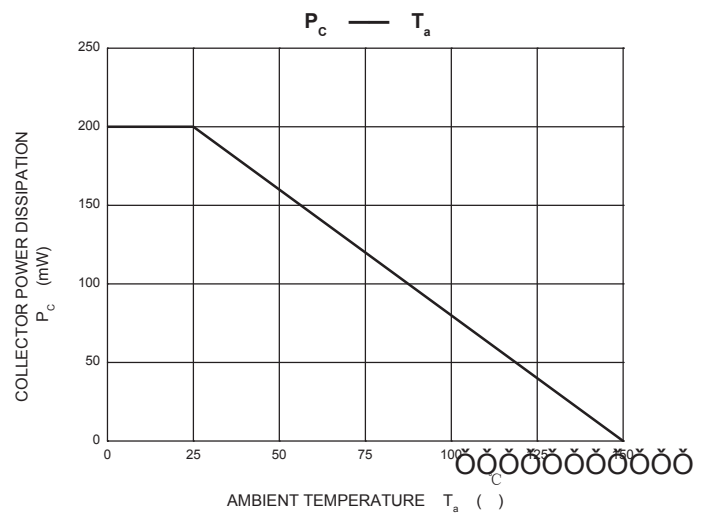
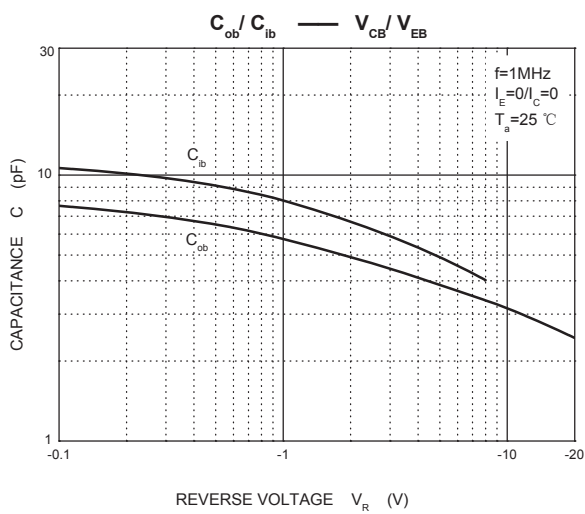
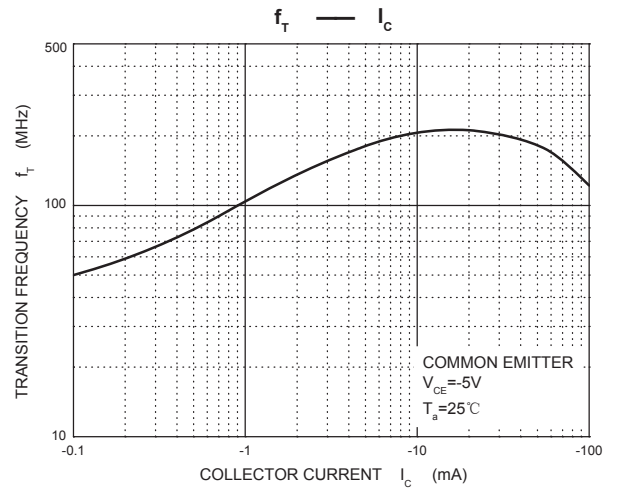
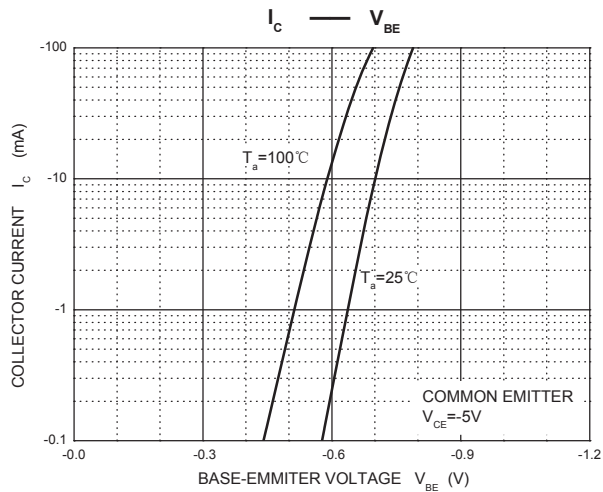
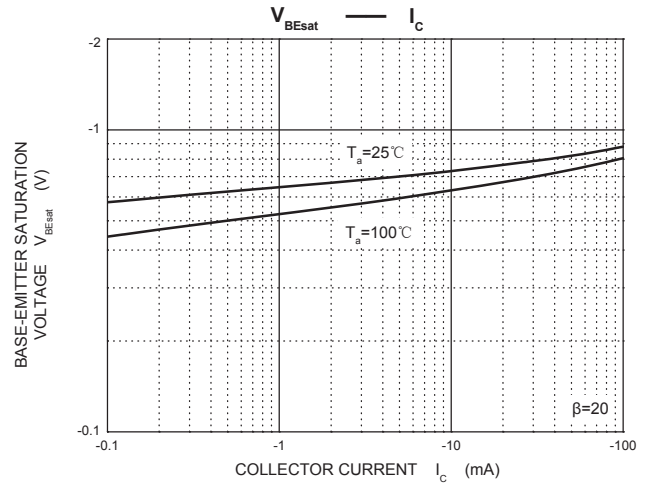
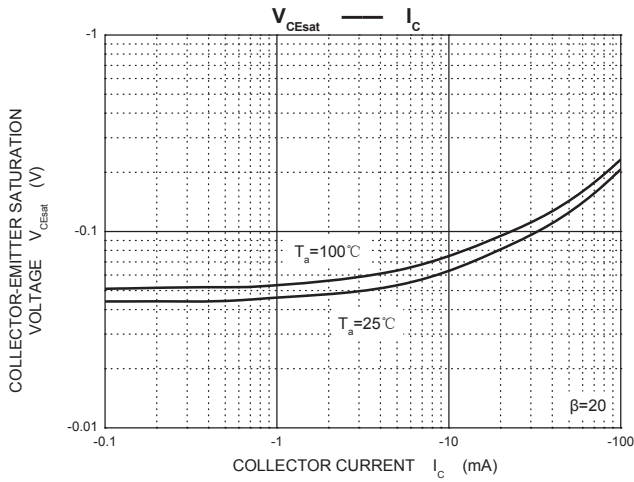
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -10\mu A, I_E = 0$	-80			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -10mA, I_B = 0$	-65			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -10\mu A, I_C = 0$	-5			V
Collector cut-off current	I_{CBO}	$V_{CB} = -30V, I_E = 0$			-15	nA
Emitter cut-off current	I_{EBO}	$V_{EB} = -5V, I_C = 0$			-100	nA
DC current gain	h_{FE}	$V_{CE} = -5V, I_C = -2mA$	110			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -10mA, I_B = -0.5mA$			-0.1	V
		$I_C = -100mA, I_B = -5mA$ *			-0.3	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -10mA, I_B = -0.5mA$	0.7			V
Output Capacitance	C_{obo}	$V_{CB} = -10V, f = 1MHz, I_E = 0$		2.5		pF
current Gain-Bandwidth frequency	f_T	$V_{CE} = -5V, I_C = -10mA, f = 100MHz$	100			MHz

*pulse test: $PW \leq 350\mu S, \delta \leq 2\%$.

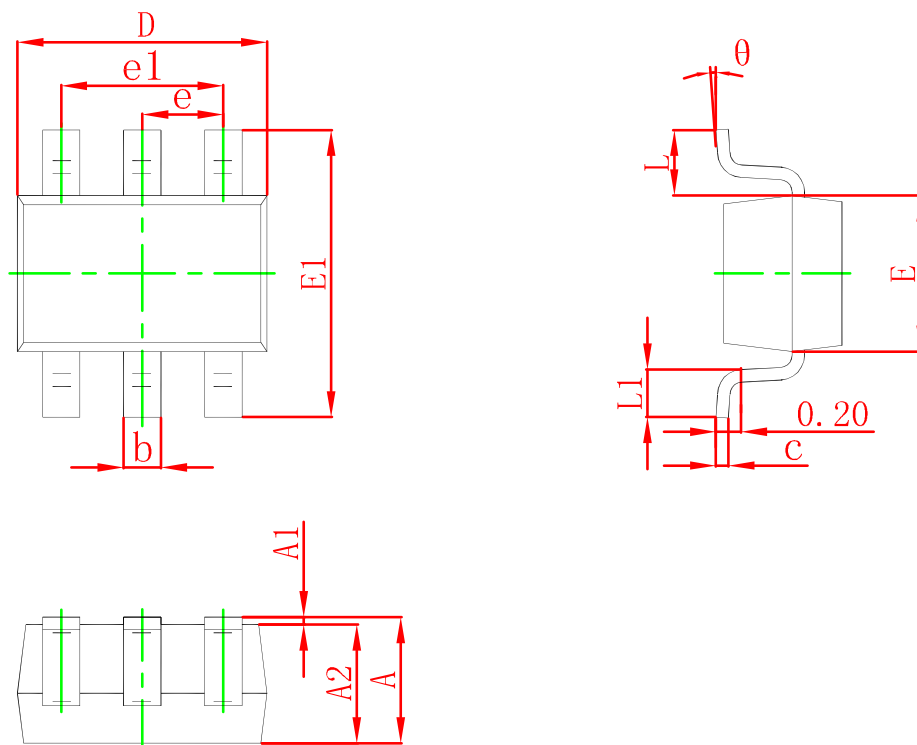
TYPICAL CHARACTERISTICS



TYPICAL CHARACTERISTICS



SOT-363 PACKAGE OUTLINE DRAWING



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.150	0.350	0.006	0.014
c	0.100	0.150	0.004	0.006
D	2.000	2.200	0.079	0.087
E	1.150	1.350	0.045	0.053
E1	2.150	2.400	0.085	0.094
e	0.650 TYP		0.026 TYP	
e1	1.200	1.400	0.047	0.055
L	0.525 REF		0.021 REF	
L1	0.260	0.460	0.010	0.018
θ	0°	8°	0°	8°